WHAT IS CLAIMED IS:

1. A shock-absorbing device, comprising:

an outer threaded tube;

a threaded rod rotatably mounted in the outer threaded tube and having an outer wall formed with flat surface, the threaded rod being provided with a retractable rod which is slidable in the threaded rod;

a compression spring mounted between the retractable rod and the threaded rod;

an adjusting nut mounted on the threaded rod and rested on a lower end of the compression spring; and

an urging nut mounted on the threaded rod and rested on a top end of the outer threaded tube, so that the threaded rod is locked on the outer threaded tube.

2. The shock-absorbing device in accordance with claim 1, wherein the flat surface of the threaded rod is extended along a longitudinal direction of the threaded rod.

3. The shock-absorbing device in accordance with claim 1, wherein the flat surface of the threaded rod is extended through the whole length of the threaded rod.

4. The shock-absorbing device in accordance with claim 1, wherein the flat surface of the threaded rod is formed with a plurality of scales.

5. The shock-absorbing device in accordance with claim 1, wherein the flat surface of the threaded rod has two edges each formed with a scraper.

6. The shock-absorbing device in accordance with claim 1, further comprising an urging disk mounted on the retractable rod, wherein the compression spring is mounted between the adjusting nut and the urging disk.

7. The shock-absorbing device in accordance with claim 6, further comprising a positioning nut screwed on a distal end of the retractable rod and rested on the urging disk to prevent the urging disk from detaching from the retractable rod.

8. The shock-absorbing device in accordance with claim 1, wherein the adjusting nut is formed with a stepped edge for positioning the lower end of the compression spring.

9. The shock-absorbing device in accordance with claim 1, further comprising an urging nut mounted on the threaded rod and rested on a bottom of the adjusting nut for urging the adjusting nut to prevent detachment of the adjusting nut.